# Jaeho Kim

## Personal info

**Email address:** oojahooo@gmail.com
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**Github Address:** [github.com/oojahooo](github.com/oojahooo)

## Education

**Korea University**                                           Mar. 2018 - Present
Department of Computer Science and Engineering
 Bachelor Student
GPA: 4.09/4.5, Major GPA: 4.28/4.5

**Korea Science Academy of KAIST**                             Mar. 2015 - Feb. 2018
High school

## Research Interests

- **Program Analysis** for automatically detecting software bugs and vulnerabilities

- **Type safety** of object-oriented imperative pogramming languages

- **Program Verification** for automatically reasoning correctness of program

- **Program Synthesis** in specific domains

## Research Experiences

**Research**                                                   Dec. 2020 - Jun. 2021
VERIPY: An Automatic Verifier for Proving Correctness of Programs

**Participant**                                                Jan. 2020 - Jun. 2020
Correct Repair of Java NPE by Learning a Correct Patch Model from Codebases

**Research**                                                   Mar. 2017 - Dec. 2017
Algorithm for Meeting Place and Routing Problems Considering Population Distribution

# Work Experiences

**Undergraduate Research Intern**                                    Dec. 2019 - Jun. 2021
Korea University, Department of Computer Science and Engineering
 Research on Software Analysis (Prof. Hakjoo Oh)

**Teaching Assistant**                                                Aug. 2020 - Dec. 2020
COSE102 - Computer Programming II

# Technical skills

| | |
|---|---|
| *Programming Languages* | C, Python, Java, Ocaml, Scala |
| *Tool* | Git, LaTeX, MATLAB, verilog |

# Additional Information

**Related Courses**

- Theory of Computation
  Syllabus

- Programming Language (Rank: 1/108)
  Syllabus

- Compiler
  Syllabus

**Club Activities**
 I am president of 전산학술부, College of Informatics' club.

- Tutoring
  I planned and conducted tutoring program for our college students.
  Tutoring courses lists: Computer programming, Mathematics for Computer Science, Data Structures, Theory of Computation, Discrete Mathematics, Digital Logic Design

- Seminar
  I planned and conducted club seminar. In 2020, I had untact seminar for post-corona age.